



SEQUENCE LISTING

<110> Qin, Ning
Codd, Ellen
D'Andrea, Michael

<120> DNAs encoding human betala sodium channel subunit

<130> ORT-1221

<140>

<141>

<160> 14

<170> PatentIn Ver. 2.1

<210> 1

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
oligonucleotide primer

<400> 1

ccatcctaatacgcactcact atagggc

27

<210> 2

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
oligonucleotide primer

<400> 2

tggaccttcc gccagaagg cactg

25

<210> 3

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
oligonucleotide primer

<400> 3

ctggaggagg atgagcgctt cgag

24

<210> 4

<211> 21

RECEIVED
SEP 13 2001
TECH CENTER 1600/2900
#4

<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
oligonucleotide primer

<400> 4
ctattcggcc acctggacgc c

21

<210> 5
<211> 18
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
oligonucleotide primer

<400> 5
gtgtctgaga tcatgatg

18

<210> 6
<211> 30
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
oligonucleotide primer

<400> 6
gccatgggga ggctgctggc cttagtggtc

30

<210> 7
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
oligonucleotide primer

<400> 7
gtgtgcctgc agctgctcaa

20

<210> 8
<211> 14
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 8

Arg Trp Arg Asp Arg Trp Gln Ala Val Asp Arg Thr Gly Cys
1 5 10

<210> 9

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 9

Cys Val Pro His Arg Arg Ser Gly Tyr Arg Thr Gln Leu
1 5 10

<210> 10

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
oligonucleotide primers for Northern blot analysis

<400> 10

tcaaagcatg cctgtccc

18

<210> 11

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
oligonucleotide primers for Northern blot analysis

<400> 11

tcaaaccaca ccccgga

19

<210> 12

<211> 807

<212> DNA

<213> Homo sapiens

<400> 12

atggggaggc tgctggcctt agtggtcggc gcggcactgg tgcctcagc ctgcgggggc 60
tgcgtggagg tggactcgga gaccgaggcc gtgtatggga tgaccttcaa aattctttgc 120
atctcctgca agcgccgcag cgagaccaac gctgagacct tcaccgagtg gaccttccgc 180
cagaagggca ctgaggagtt tgtcaagatc ctgcgctatg agaagtaggt gttgcagctg 240

gagaggatg agcgcttcga gggccgcgtg gtgtggaatg gcagccgggg caccaaagac 300
 ctgcaggatc tgtctatctt catcaccaat gtcacctaca accactcggg cgactacgag 360
 tgccacgtct accgcctgct cttcttcgaa aactacgagc acaacaccag cgtcgtcaag 420
 aagatccaca ttgaggtagt ggacaaaggt gagtcgggtg ctgcctgccc ctttaccgtc 480
 acccaccgga gagccagatg gagggacaga tggcaggcag tggacaggac aggtctggctc 540
 tgtgcctggc cagccaaccg ccacagcag cgggctgagg gggaggggag cagcccctcc 600
 tgcccactcc agctctggcc tctgtttctc tccagcccac ggagaggtca aagcatgcct 660
 gtccccaca gacgtcccg gtacagaacc cagctctgtc acctgtgctg tatgacctct 720
 ggcaggtgcc ttctgtctct gagccaaagg gttgtcctgg gcttgcccgg gataataatc 780
 cgatgtgttt ctcggggtgt ggtttga

807

<210> 13
 <211> 974
 <212> DNA
 <213> Homo sapiens

<400> 13
 gccatgggga ggctgctggc cttagtggtc ggcgcggcac tgggtgtcctc agcctgcggg 60
 ggctgcgtgg aggtggactc ggagaccgag gccgtgtatg ggatgacctt caaaattctt 120
 tgcatctcct gcaagcgccg cagcgagacc aacgctgaga ccttcaccga gtggaccttc 180
 cgccagaagg gcaactgagga gtttgtcaag atcctgcgct atgagaatga ggtgttgtag 240
 ctggaggagg atgagcgctt cgagggccgc gtggtgtgga atggcagccg gggcaccaaa 300
 gacctgcagg atctgtctat cttcatcacc aatgtcacct acaaccactc gggcgactac 360
 gagtgccacg tctaccgctt gctcttcttc gaaaactacg agcacaacac cagcgtcgtc 420
 aagaagatcc acattgaggt agtggacaaa ggtgagtcgg gtgctgcctg cccctttacc 480
 gtcaccacc ggagagccag atggaggagc agatggcagg cagtggacag gacaggctgg 540
 ctctgtgcct ggccagccaa ccgcccacag cagcgggctg agggggaggg gagcagcccc 600
 tctgtcccac tccagctctg gcctctgttt ctctccagcc cacggagagg tcaaagcatg 660
 cctgtccccc acagacgctc cgggtacaga acccagctct gtcacctgtg ctgtatgacc 720
 tctggcaggt gccttctgtc tctgagccaa agggttgtcc tgggcttgcc cgggataata 780
 atccgatgtg tttctcgggg tgtggtttga gccattcttc catcatgggg ttcattgagga 840
 ttgagcagct gcaggcacac cctggcttcc agcagagcct tgcaggtggt ggcgaggggt 900
 gcggttctta ctgttgagta gctcagccct gctgctctct gtggtgatga ggcaagagag 960
 cgtgcctgtg ttgg

974

<210> 14
 <211> 268
 <212> PRT
 <213> Homo sapiens

<400> 14
 Met Gly Arg Leu Leu Ala Leu Val Val Gly Ala Ala Leu Val Ser Ser
 1 5 10 15
 Ala Cys Gly Gly Cys Val Glu Val Asp Ser Glu Thr Glu Ala Val Tyr
 20 25 30
 Gly Met Thr Phe Lys Ile Leu Cys Ile Ser Cys Lys Arg Arg Ser Glu
 35 40 45
 Thr Asn Ala Glu Thr Phe Thr Glu Trp Thr Phe Arg Gln Lys Gly Thr
 50 55 60
 Glu Glu Phe Val Lys Ile Leu Arg Tyr Glu Asn Glu Val Leu Gln Leu
 65 70 75 80

Glu Glu Asp Glu Arg Phe Glu Gly Arg Val Val Trp Asn Gly Ser Arg
 85 90 95
 Gly Thr Lys Asp Leu Gln Asp Leu Ser Ile Phe Ile Thr Asn Val Thr
 100 105 110
 Tyr Asn His Ser Gly Asp Tyr Glu Cys His Val Tyr Arg Leu Leu Phe
 115 120 125
 Phe Glu Asn Tyr Glu His Asn Thr Ser Val Val Lys Lys Ile His Ile
 130 135 140
 Glu Val Val Asp Lys Gly Glu Ser Gly Ala Ala Cys Pro Phe Thr Val
 145 150 155 160
 Thr His Arg Arg Ala Arg Trp Arg Asp Arg Trp Gln Ala Val Asp Arg
 165 170 175
 Thr Gly Trp Leu Cys Ala Trp Pro Ala Asn Arg Pro Gln Gln Arg Ala
 180 185 190
 Glu Gly Glu Gly Ser Ser Pro Ser Cys Pro Leu Gln Leu Trp Pro Leu
 195 200 205
 Phe Leu Ser Ser Pro Arg Arg Gly Gln Ser Met Pro Val Pro His Arg
 210 215 220
 Arg Ser Gly Tyr Arg Thr Gln Leu Cys His Leu Cys Cys Met Thr Ser
 225 230 235 240
 Gly Arg Cys Leu Leu Ser Leu Ser Gln Arg Val Val Leu Gly Leu Pro
 245 250 255
 Gly Ile Ile Ile Arg Cys Val Ser Arg Gly Val Val
 260 265

09/375,456

C:\WINDOWS>A:

A:\>DIR

Volume in drive A has no label
Directory of A:\

SEQLIS~1 TXT	7,662	06-05-01	1:07p	seqlistinghub1a.txt
1 file(s)		7,662	bytes	
0 dir(s)		1,449,984	bytes free	

A:\>TYPE SEQLIS~1.TXT|MORE

Read fault error reading drive A
Abort, Retry, Fail?R

Read fault error reading drive A
Abort, Retry, Fail?R

Read fault error reading drive A
Abort, Retry, Fail?

*Onscreen message when
STC PC tried to read
submitted disk*